354



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AI

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-12-
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togogoctog ggggchcagg tgoctttgag atagagataa atggacaget ggtgttetee 240
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cctggagctg gccagtgctg tgaaggagca atcggggc atcgagatcg agtcgcgcct 180
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agaaacccta gaaaagatca ccaacagccg tcctccctgc gtcatcctgt gactgcacag 360
gactetgggt teetgetetg ttetggggte caaacettgg tetecetttg gteetgetgg 420
gagetecece tgeetettte ecctaettag etectagea aagagaeeet ggeeteeaet 480
ttgccctttg ggtacaaaga aggaatagaa gattccgtgg ccttgggggc aggagagaga 540
cactetecat gaacacttet ecagecacet catacecet tece
                                                                    584
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gataaatgga cagctggtgt tctckaagct ggagaatggg ggctttccct atgagaaaga 240
totoattgag gocatoogaa gago\phiagtaa tggagaaaco otagaaaaga toaccaacag 300
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ggggtccgca tcgtggtgga gtactgtgaa ccctgcggct tcgaggcgac ctacctggag 180
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acaggtgcct ttgagataga gataaatgga cagctggtgt tctccaagct ggagaatggg 300
ggctttccct atgagaaaga tctcattgag gccat/ccgaa gagccagtaa tggagaaacc 360
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ggettegagg egacetacet ggatgetggee agtgetgtga aggageagta teegggeate 180
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as of

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 nctgtgaagg agcagtatcc gggcatcgag atcgagt cgc gcctcggggg cacaggtgcc 180
```

```
tttgagatag agataaatgg acagctggtg ttctccaagc tggagaatng gggctttccc 240
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gcctttgaga tagagatada tggacagctg gtgttctcca agctggagaa tgggggcttt 240
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or of

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-17-
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 gataaatgga cagctggtgt tetecaaget ggagaatggg ggcttteeet atgagaaaga
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 tggggtccaa accitgggtc tcactttggt cctgctggga agctcccct gcctctittc 360
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J'e

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436
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 ccagtaatng agaaacccta gaaaagatca ccaacagccg tccttccttg cgtncatcct 360
                                                                      391
 gttnacttnc acaaggattc ttgggtttcc t
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ctctcctgcc cccaagg ca zggaatcttc tattccttct ttgtacccaa agggcaaagt 240
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gcaggaccaa agggagacca aggtttggac cccagaacag agcaggaacc cagagtcctg 360
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ttactggctc ttcggatg\frac{1}{2}c ctcaatgaga tctttctcag gggaaagccc cattctccag 480
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 ttcgtgggca cttaccctgg gaagggggta tgaggtggct ggagaagtgt tcatggagag 180
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 tcccagcagg accaaaggga gaccaaggtt tggaccccag accagagcag gaacccagag
 teettgtgca gteacaggat gaegeangga ggaeggetgt tagtgatett ttetagggtt 420
 totocattac tggctottcg gatggcotca atgagatott totcataggg aaagcoccca 480
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gcttcgaggc gacctacctg gagctggcca gtgctgtnaa ggagcagtat ccgggcatcg 180
agatcgantc gcgcctcggg gdcacaggtg cctttaagat agagataaat ggacagctgg 240
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atagagataa atggacagct\setminusggtgttctcc aagctggaga atgggggctt tncctatgag
                                                                           . 30
aaagatetea ttgaggeeat cegaagagee agtaatggag aaacetagaa aagtteacea 240 acageegtee tteetnegte attetattga etgeacagga ttetnggttt entgetntgt 300
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gatotoatty aggopatocy sagagocagt satnggagaa accotagaaa agatoaccaa 180
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ccaacagtgc atcatectgt tattecacte etctagetea ttgaggecat ccgaagagee 360
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gcaggaccaa agggagacca aggtttgqac cccagaacag aacaggaccc cagagtcctg 360
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totootgood coaaggodad agaatottot atthortott tgtacccaaa gggcaaagtg 243
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aggogaceta cetggagetg cdcagtnetg tgaaggagea gtateeggge ategagateg 180
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gagtgtetet etectgeece caaggeeqeg gaatetteta tteettett gtacceaaag 240
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g,

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gaaaggatac ttttggag\phit ggtctgcaaa gaaaaaactt ctagaaaaag acaacaaaat 240
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gtgggcactt accetgggaa ggggtatga\g gtggctggag aagtgttcat ggagagtgtc 180
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otin tcagacagg tattaccgag gcgaagagtg gactgggctt
tcgtgggcac ttaccctggg \agggggtat gaggtggctg gagaagtgtt catggagagt
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 gcaggaccaa agggagacca aggtttggac cccagaacag agcaggaacc cagagtcctg
 tgcagtcaca ggnttgaccg cagggaggac cggctgttgg tgatcctttt ctagggtttc 420
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Los Los

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y i

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gccagtaatg gagaaac¢ct agaaaagatc accaacagcc gtcctccctg cntcatcctg 240
tgactncaca ggactetdgg tinetgetet gttetggggt ceaaacettg gtetneetti 300
ggtnctgctt nggagctckc nctgnctntt tnccctactt agntncttna gcaaagagga 360
cccttggcct ncactttanc ccttttgggg tacaaaagga agggaattag gaagatttcc 420
nttggenttn gaggggenaa ggaagatgag neaattttee nattaaacaa etttteaag 480 caaaentnaa taccennttt eeccagggt aaggtneece acgnaanage ceaagtenae 540
attttttngc nttgggaaat\accntanttt nantccaaaa nttttnnttt aatntttccc 600
canaaccnaa gggaaanttn agnaatttg gnaannaaag ttngngnntc aaancacaag 660
ataaaaanaa anaaaaaann †ttgagnggg gncccnganc cnaatttngc ncantnngng 720
ggnggntnaa aaancanatt t\gcagnggnt tnaaaacagt ntgagctttn naaancntgg 780
gtttccaana an
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gcaaagtgga ggccagggtc tctttgctaa ggagctaagt aggggaaaga ggcaggggga 300
gctcccagca ggaccaaagg gagaccaa/gg tttggacccc agaacagagc aggaacccag 360
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 aataaaatct gtggcatcag acaggtatta ccgagqcgaa gagtggactg ggctttcgtg 120
 ggcacttacc ctgggaaggg ggtatgaggt ggctggagaa gtgttcatgg agagtgtctc 180
 tetectgeec ccaaggeeac ggaatettet attecttet tgtacceaaa gggeaaagtg 240
 gaggccangg totottttgc taaggagcaa ataagggaaa gaggcagggg gagctcccag 300
 caagaccaaa gggagaccaa ggtttggacc ccagaac\lambdaga gcaggaaccc agagtcctgt 360
 gcagtcacag gatgacgcag ggaggacggc tgttggtgat cttttctagg gtttctccat 420
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 gct
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 <211> 449
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2

AL

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cgtgggcact t\phiccctggga agggggtatg aggtggctgg agaagtgttc atggagagtg
tetetetet gacceaagg ceaeggaate ttetatttet tttttgtace caaagggeaa
                                                                                    240
agtggaggcc agggtctctt tgctaaggag ctaagtaggg gaaagaggca gggggagctc 300
ccagcaggac caaaggtttg gaccccagaa cagagcagga acccagagtc 360
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gggcacttac cctgggaagg gggtatgagg tggctggaga agtgttcatg gagagtgtct 180
octotootgoo cccaaggcca cggaatotto tattoottot ttgtacccaa agggcaaagt 240
ggaggccagg gtototttgc taaggagcta agtaggggaa agaggcaggg ggagctocca 300
 geaggaccaa agggaaccaa dgtttggacc ccagaacaga geaggaccea gagteetgtg 360
 cagtcacagg atgacgcagg gagcnggctg tgggtgatct ttctaggggt ttctccatta 420
 ctggctcttc cgatgcctca ctgagatctt tctcataggg aaagccccca ttctccagst 480
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 catctcgage eccgatactg etdettcaca gaetggeagt teaaggaagt egee
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 <211> 389
 <212> DNA
 <213> Homo sapiens
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 gaataaataa aatctgtggc atcagaca\gg tattaccgag gcgaagagtg gactgggctt 120
 tegtgggcac ttaccetggg aagggggtat gaggtggctg gagaagtgtt catggagagt 180 gtetetete tgccccaag gccacggaat ettetatee ttetttgtac ccaaagggca 240 aagtggagge cagggtete ttgctaagga gctaagtagg ggaaagagge agggggaget 300 cccagcagga ccaaagggag accaaggttt ggaccccaga acagagcagg aacccagagt 360
                                                                                      389
 cctgtgcagt cacaggatga cgcagggag
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  <211> 405
  <212> DNA
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  <220>
  <221> misc feature
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          (334)..(334)
  <223> n is any nucleotide of a, t, g of c
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<222>
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       n is ahy nucleatide of a, t, g or c
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ggcacttacc ctggdaaggc ggtatgaggt ggctggagaa gtgttcatgg agagtgtctc 180
tetectgece ccaaggecae ggaatettet attecttett tgtacccaaa gggcaaagtg 240
gaggccaggg tctctttgct aaggagctaa gtaggggaaa gaggcagggg gagctcccag 300
caggaccaaa gggagaccaa ggtttggacc ccanaacaga gcaggaaccc agagtcctgt 360
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tttcgtgggc acttaccctg ggaagggggt atgaggtggc tggagaagtg ttcatggaga 180 gtgtctctct cctgccccc aggccacgga atcttctatt ccttctttgt acnccaaagg 240
gcaaagtgga ggccagggtoldsymbol{t} tetttgetaa ggagetaagt aggggaaaga ggcaggggga 300
gctcccagca ggaccaaagg tttggacccc agaacagagc aggaacccag 360 agtcctgtgc agtcacagga tgacgcaggg aggacg 396
<210> 74
<211> 392
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togtgggcac ttaccotggg magdgggtat gaggtggctg gagaagtgtt catggagagt 180
gtotototoc tgcccccaag gccacggaat cttotattcc ttctttgtac ccaaagggca 240
aagtggagge cagggtetet ttgetaagga getaagtagg ggaaagagge agggggaget 300
cccagcagga ccaaagggag accaaaggttt ggaccccaga acagagcatg aacccagagt 360
                                                                           392
cctgtgcagt cacaggatga cgcagggagg ac
 <210> 75
 <211> 372
 <212> DNA
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 <220>
 <221> misc feature
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At

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(362)..
                 (362)
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gaatetteta tteettett gracecaaag geaaagtgga ggeeagggte tetttgetaa
                                                                                 240
ggagctaagt aggggdaaga ggcaggggga gctcccagca ggaccaaagg gagaccaagg 300
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angaccggct tt
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cgtgggcact taccctq \dot{q}ga agggggtatg aggtggctgg agaagtgttc atggagagtg 180
tetetetet geececaagg ceaeggaate ttetatteet tetttgtace caaagggeaa 240
agtggaggcc agggtctctt tgctaaggag ctaagtaggg gaaagaggca gggggagctc 300
ccagcaggac caaaggdaga ccaaggtttg gaccccagaa cagagcagga acccagagtc 360
                                                                                 380
ctgtgcagtc acaggatgac
<210> 77
<211> 374
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<213> Homo sapiens
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 gagtggactg ggctttcgtg ggcacttac& ctgggaaggg ggtatgaggt ggctggagaa 180
 gtgttcatgg agagtgtctc tctcctgccc ccaaggccac ggaatcttct attccttctt 240 tgtacccaaa gggcaaagtg tctctttgct aaggagctaa gtaggggaaa 300 gaggcagggg gagctccac caggaccaaa gggagaccaa ggtttggacc ccagaacaga 360
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Mo

M

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taaaatctgt ggcatpagac aggtattacc gaggcgaaga gtggactggg ctttcgtggg 120
cacttaccct gggaaqgggg tatgaggtgg ctggagaagt gttcatggag agtgtctctc 180
tcctgccccc aaggcdacgg aatcttctat tccttctttg tacccaaagg caaagtggag 240
gccagggtct ctttgctaag gagctaagta ggggaaagag gcagggggat ctcccagcag 300
gaccaaaggg agaccaaggt ttggacccca gaacagagca aggaacccag agtcctgtgc 360
agtcacagga ttgacgdagg gaggaccggc ttgtttggtg atcettteet agggtttete 420
ccattanttg gctctttcg attggcctca a
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<213> Homo sapiens
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ctctctctg ccccaaggc \cacggaatct tctattcctt ctttgtaccc aaagggcaaa 180
gtggaggcca gggtctcttt gctaaggagc taagtagggg aaagaggcag ggggagctcc 240
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gaaggnggtt atgaggtggc tggagaagtg ttcatggaga gtgtctctct cctgccccca 180
aggcacggaa tottotatto ottotttgta coqaaagggo aaagtggagg ccagggtoto 240
 tttgctaagg agctaagtag gggaaagagg cagagggagc tcccagcagg accaaaggga 300
 gaccaaggtt tgggacccca gaacagagca ggaacccaga gtcctgttnc agttcacagg 360
atgacggcag gggagggacg gcttttggtn atctttttt agggtttttt cc
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 <211> 372
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<213> Homb
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<223>
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       (306<del>)</del>..(306)
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       n is any nucleatide of a, t, g or c
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ggtatgaggt ggctggagaa atatcatgg agagtgtctc totcctgtcc ccaaggccac
ggaatettet atteettett tgtacceaan gggcaaagng gaggecaggg tetetttget 240
 aaggagctaa gtaggggaaa gaggcagggg gagctcccag caggaccaaa gggggaccaa 300
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 tgacattgcc ctgggttagg ggagaataaa taaaatctgg ggcatcaaac aggttttacc 120
 gaggcgaaaa gtggactggg stttcgtggg cacttaccct gggaaggggg tatgaggggg 180
```

on on

```
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tccttctttg tacccaaagg scaaagtgga ggccagggtc tttttgctaa ggagctaaat 300 aggggaaaga ggcagggga sctcccanca ggaccaaagg gagaccaagg tttggacccc 360
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teteceggae testgaggte acatgegtgg tggtggaegt aagecaegaa gaeeetgagg 180
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acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
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        86
 Ser Thr Glu Pro Gly\Gln Ile Ser Tyr
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        87
        9
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        87
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AL

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 Gly Val Phe Pro Tyr Glu Lys Asp Leu
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A S

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Ch

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Glu din Arg Leu Gly Gly Thr Gly Ala Phe
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